BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work: Drilling of Borewell and Providing Pump and Motor and Laying Pipeline at in Ward No. 07, Thanisandra.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	3.00	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test	Each	5295.23	Rupees Five Thousand Two Hundred Ninety Five and Twenty Three Paise Only
2	150.00	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) 0-50mtrs	Rmtr	298.70	Rupees Two Hundred Ninety Eight and Seventy Paise Only
3	150.00	50-100mtrs	Rmtr	374.92	Rupees Three
4	150.00	100-150mtrs	Rmtr	398.61	Rupees Three

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
5	150.00	150-200mtrs	Rmtr	462.47	Rupees Four
6	150.00	200-250mtrs	Rmtr	542.81	Rupees Five
7	150.00	250-300mtrs	Rmtr	574.74	Rupees Five
8	150.00	300-350mtrs	Rmtr	638.60	Rupees Six
9	165.00	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty.	Rmtr	1990.99	Rupees One Thousand Nine Hundred Ninety and Ninety Nine Paise Only
10	30.00	PVC pipes of 10 Kg/cm2 for 200mm	Mtrs	1329.00	Rupees One
11	3.00	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	Each	168.92	Rupees One Hundred Sixty Eight and Ninety Two Paise Only
12	506000.00	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	Sq.cm	0.38	and Thirty Eight Paise Only
13	3.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II, 1991 with latest amendments if any	Each	225.57	Rupees Two Hundred Twenty Five and Fifty
14	9.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.	Each	180.25	Rupees One Hundred Eighty and Twenty Five Paise Only
15	9.00	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for:	Each	225.57	Rupees Two Hundred Twenty Five and Fifty Seven Paise Only
16	3.00	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job	6334.50	Rupees Six Thousand Three Hundred Thirty Four and Fifty Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
17	3.00	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	Job	1390.50	Rupees One Thousand Three Hundred Ninety and Fifty Paise Only
18	235.00	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS - 3975 4 core 16sqmm	Rmtr	150.00	Rupees One Hundred Fifty Only
19	235.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.	Rmtr	11.88	Rupees Eleven and Eighty Eight Paise Only
20	135.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces	Mtrs	82.00	Rupees Eighty Two Only
21	12.00	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm	Mtrs	335.00	Rupees Three Hundred Thirty Five Only
22	3.00	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job	3862.50	Rupees Three Thousand Eight Hundred Sixty Two and Fifty Paise Only
23	3.00	Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm	Each	530.45	Rupees Five Hundred Thirty and Forty Five Paise Only
24	3.00	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5"	Nos	315.00	Rupees Three Hundred Fifteen Only
25	7.00	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00"	Each	78963.00	Rupees Seventy Eight Thousand Nine Hundred Sixty Three Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
26	225.00	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover)	Each	3141.50	Rupees Three Thousand One Hundred Forty One and Fifty Paise Only
27	2950.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtrs	242.00	Rupees Two Hundred Forty Two Only
28	3.00	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	8640.00	Rupees Eight Thousand Six Hundred Forty Only
29	3.00	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	1287.50	Rupees One Thousand Two Hundred Eighty Seven and Fifty Paise Only
30	3.00	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm	Each	1313.25	Rupees One Thousand Three Hundred Thirteen and Twenty Five Paise Only
31	23.00	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.	Nos	1287.50	Rupees One Thousand Two Hundred Eighty Seven and Fifty Paise Only
32	54.00	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,63 Amps	Nos	150.00	Rupees One Hundred Fifty Only
33	1127.25	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work.	Cum	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
34	1385.00	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc.complete. 63mm (weight of pipe -0.662 kg) 6 kg/sqm2	Mtrs	157.59	Rupees One Hundred Fifty Seven and Fifty Nine Paise Only
35	1120.00	90mm(weight of pipe -1.313 kg)6 kg/sqm2	Mtrs	289.43	Rupees Two Hundred Eighty Nine and Forty Three Paise Only
36	1127.25	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum	125.66	Rupees One Hundred Twenty Five and Sixty Six Paise Only

"OK Approved"

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))